

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

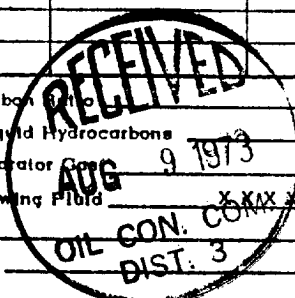
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-20-73	
Company Shell Oil Company				Connection		
Pool Basin Dakota				Formation Dakota		Unit
Completion Date		Total Depth 5950		Plug Back TD		Elevation
Csg. Size 5 1/2		WI.	d	Set At 5950		Perforations: From 5807 To 5826
Tbg. Size 2 3/8		WI. 4.6	d	Set At 5600		Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		County San Juan
Producing Thru		Reservoir Temp. °F 164 @ 5820		Mean Annual Temp. °F		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover
						Meter Run
						Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	2	x	3/4				2002		Pkr.		72
2.							355	60	"		3 hrs
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.3650		367	1.0000	9608	1.038	4526
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.	134689	746	556535	3499661
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1590$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5056$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1170$

Absolute Open Flow	5056	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.75
--------------------	------	----------------	------------------	----------	-----

Remarks:			
----------	--	--	--

Approved By Commission:	Conducted By: Teffeller, Inc.	Calculated By: N. Tefteller	Checked By:
-------------------------	----------------------------------	--------------------------------	-------------